



#3
12013/58002

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Declaration

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am an original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **THERAPEUTIC ANGIOGENESIS BY BONE-MARROW-DERIVED CELL TRANSPLANTATION IN PIGS WITH CORONARY CONSTRICTOR-INDUCED CHRONIC MYOCARDIAL ISCHEMIA**, a patent application for which is filed herewith in the United States Patent and Trademark Office.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this declaration.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim priority benefits under Title 35, United States Code, Section 119 of any foreign and provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign and provisional application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

U.S. Provisional Application S.N. 60/220,834, filed July 26, 2000

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None .

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

12013/58002

Full name of fourth joint inventor: Nicolas A.F. Chronos

Inventor's signature: Nicolas Chronos

Date: 11/12/2001

Residence:

Atlanta, Georgia

Citizenship:

British

Post Office Address:

1062 Sheridan Park
Atlanta, GA 30324

Full name of fifth joint inventor:

Sam Baldwin

Inventor's signature: _____

Date: _____

Residence:

Newton, Massachusetts

Citizenship:

Post Office Address:

6 Clarendon Street
Newton, MA 02460

Full name of sixth joint inventor:

Maria Palasis

Inventor's signature: _____

Date: _____

Residence:

Wellesley, Massachusetts

Citizenship:

Post Office Address:

65 Martin Road
Wellesley, MA 02481

NE 11/12/2001

TU 11/12/2001

T.M. 11/12/2001

Full name of fourth joint inventor: Nicolas A.F. Chronos

Inventor's signature: _____ Date: _____

Residence: Atlanta, Georgia

Citizenship: _____

Post Office Address: 1062 Sheridan Park
Atlanta, GA 30324

Full name of fifth joint inventor: Sam Baldwin

Inventor's signature: *Sam Baldwin* Date: 23 July, 2001

Residence: Newton, Massachusetts

Citizenship: USA

Post Office Address: 6 Clarendon Street
Newton, MA 02460

Full name of sixth joint inventor: Maria Palasis

Inventor's signature: _____ Date: _____

Residence: Wellesley, Massachusetts

Citizenship: _____

Post Office Address: 65 Martin Road
Wellesley, MA 02481

12013/58002

Full name of first joint inventor:

Takafumi Ueno

Inventor's signature:

T UenoDate: 11/12/2001

Residence:

~~Decatur, Georgia~~ Kurume, Japan

Citizenship:

Japan

Post Office Address:

~~3429L North Druid Hills Road
Decatur, GA 30033~~99-11-901 Kushi-hara-machi
Kurume, Fukuoka 830-0013
Japan

Full name of second joint inventor:

Toyoaki Murohara

Inventor's signature:

T MuroharaDate: 11-12-2001

Residence:

Fukuoka, Japan

Citizenship:

Japan

Post Office Address:

793-3-C302 Nishi-machi, Kurume
Fukuoka 830-0038, Japan

Full name of third joint inventor:

Keith Allen Robinson

Inventor's signature:

Keith A RobinsonDate: 11-12-01

Residence:

Norcross, Georgia

Citizenship:

USA

Post Office Address:

5727 Shawn Terrace
Norcross, GA 30092NC 11/12/2001
TU 11/12/2001
T.M. 11/12/2001

12013/58002

Full name of fourth joint inventor: Nicolas A.F. Chronos

Inventor's signature: _____ Date: _____

Residence: Atlanta, Georgia

Citizenship: _____

Post Office Address: 1062 Sheridan Park
Atlanta, GA 30324

Full name of fifth joint inventor: Sam Baldwin

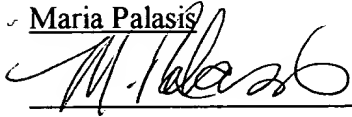
Inventor's signature: _____ Date: _____

Residence: Newton, Massachusetts

Citizenship: _____

Post Office Address: 6 Clarendon Street
Newton, MA 02460

Full name of sixth joint inventor: Maria Palasis

Inventor's signature:  Date: 7/19/01

Residence: Wellesley, Massachusetts

Citizenship: USA

Post Office Address: 65 Martin Road
Wellesley, MA 02481

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Takafumi UENO et al.

Serial No.:

Filing Date:

For: THERAPEUTIC ANGIOGENESIS BY BONE
MARROW-DERIVED CELL TRANSPLANTATION
IN MYOCARDIAL ISCHEMIC TISSUE AND
SKELETAL MUSCLE ISCHEMIC TISSUE

Group Art Unit:

Examiner:

Honorable Commissioner of Patents and Trademarks
Washington, DC 20231

GRANT OF POWER OF ATTORNEY PURSUANT TO 37 C.F.R. § 3.71

S I R:

Assignee hereby appoints: Charles R. Brainard (Reg. No. 21,069); John C. Altmiller (Reg. No. 25,951); Estelle J. Tsevdos (Reg. No. 31,145); Douglas E. Ringel (Reg. No. 34,416); Judith Toffenetti, (Reg. No. 39,048); Kristina Jahns (Reg. No. 41,092); Timothy M. Devlin (Reg. No. 41,706); William M. Merone (Reg. No. 41,993); (Reg. No. 45,164); Fred Grasso (Reg. No. 43,644); Elizabeth M. Wieckowski (Reg. No. 42,226); David Greenbaum (Reg. No. 46,739); Michael Haynes (Reg. No. 40,014); Neil McCarthy (Reg. No. 43,435); Teresa Lavenue (Reg. No. 47,737); Dalia Grimberg (Reg. No. 47,611); Julie Stein (Reg. No. 43,158); Jennifer King (Reg. No. 46,828); Thomas Haag (Reg. No. 47,621); Scott Bluni (Reg. No. 40,916); Mark J. Casey (Reg. No. 37,796); James Chiapetta (Reg. No. 39,634); Luke R. Dohmen (Reg. No. 36,783); Peter J. Gafner (Reg. No. 36,517); Albert K. Kau (Reg. No. 40,672); Steven A. McAuley (Reg. 46,084); Todd P. Messal (Reg. No. 42,883); Robert M. Rauker (40,782); William J. Shaw (Reg. No. 43,111) to prosecute this application and transact all business in the U.S. Patent and Trademark Office connected therewith. All previous Powers of Attorney in connection with this application are hereby revoked. Please send all correspondence to:

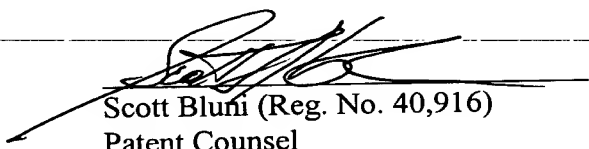
Elizabeth M. Wieckowski
KENYON & KENYON
One Broadway
New York, NY 10004



and direct all phone calls to Elizabeth M. Wieckowski at (212) 908-6140.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

20 JULY 2001
Date


Scott Bluni (Reg. No. 40,916)
Patent Counsel
Boston Scientific Corporation

on behalf of:
SCIMED LIFE SYSTEMS